

(1) **Statement of Conformity**

(2) Equipment and protective systems intended for use in potentially explosive atmospheres, **Directive 2014/34/EU**



(3) **Statement of Conformity Number:** TÜV CY 23 ATEX 0206914 X

(4) for the equipment: LED luminaires  
Type: DOTLUX LED-EX-Schutzleuchte MISTRALex  
-\* \*fl \*cm \*\*\*\*/\* \*\* \* \* \*

(5) of the manufacturer: DOTLUX GmbH  
(6) Address: Richard Stücklen Str.7  
91781 Weissenburg - GERMANY

Order number: 0206914

Date of issue: 2023-10-19

(7) This equipment or protective system and any acceptable variation thereto are specified in the schedule to this statement of conformity and the documents therein referred to.

(8) TÜV CYPRUS Ltd certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive. The examination and test results are recorded in the confidential report No. 23 0206914.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN IEC 60079-0:2018** **EN 60079-31:2014**

The following were used for reference:

**EN IEC 60079-15:2019**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This statement of conformity relates only to the design, examination and tests of the specified equipment in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

(12) The marking of the equipment or protective system must include the following:

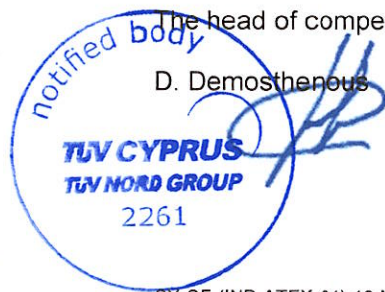


**II 3G Ex nR IIC T6 Gc**  
**II 3D Ex tc IIIC T70°C Dc**

TÜV CYPRUS Ltd (TUV NORD Group),

The head of competent body,

D. Demosthenous



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## (13) SCHEDULE

## (14) Statement of Conformity No. TÜV CY 23 ATEX 0206914 X

## (15) Description of equipment

The LED lighting apparatus DOTLUX LED-EX-Schutzleuchte MISTRALex series are composed by several enclosure sizes made by polycarbonate with high mechanical resistance, containing LEDs lighting sources, accessories and feeding apparatus suitable for normal and/or emergency light function.

Permissible range of ambient temperature:

- with emergency back-up source: 0°C to +35°C or 0°C to +40°C or 0°C to +45°C or 0°C to +50°C
- without emergency back-up source: -25°C to +40°C or -25°C to +55°C or -25°C to +60°C.
- with non-maintained emergency back-up source: or 0°C to +50°C (See tables below).

The degree of enclosure protection according to EN 60529 is IP66.

### Type code and technical data

#### **DOTLUX LED-EX-Schutzleuchte MISTRALex-y afl bcm cccc/ddd e f g**

- a = number of LED modules rows (1 or 2) (fl)
- b = length of 60, 120 or 150 centimetres (cm)
- cccc = lumen flux from 500 to 20000 lm  
or  
“ “ for NMxh emergency luminaires
- ddd = CRI and CCT - 830, 840, 850 and 865  
or  
“ “ for NMxh emergency luminaires
- e = “DALI” = version with digital dimmable driver DALI  
or  
“ ” = light fitting without digital dimmable driver DALI
- f = “1F” = light fitting with 1-phase 3 core through-wiring  
or  
“3F” = light fitting with 3-phase 5 core through-wiring  
or  
“ ” = light fitting without through-wiring
- y = “-exit” = light fitting with emergency back-up source  
or  
“ “ = light fitting without emergency back-up source

- g = "M1h" = light fitting with emergency back-up source, 1-hour operating time  
 or  
 "M3h" = light fitting with emergency back-up source, 3-hours operating time  
 or  
 "NM1h" = light fitting with non-maintained emergency back-up source, 1-hour oper. Time  
 or  
 "NM3h" = light fitting with non-maintained emergency back-up source, 3-hours oper. time  
 or  
 " " = light fitting without emergency back-up source

The following variants are covered by this certificate:

Type of the luminaire without emergency back-up source				
Type	Ambient temperature	Supply Voltage and Frequency	System input	
DOTLUX LED-EX-Schutzleuchte MISTRALex 1fl 60cm 1600/8dd e f	→ -25°C ≤Ta≤ +60°C	→	220-240V 50/60Hz	11W
DOTLUX LED-EX-Schutzleuchte MISTRALex 1fl 60cm 2200/8dd e f	→ -25°C ≤Ta≤ +55°C	→		16W
DOTLUX LED-EX-Schutzleuchte MISTRALex 1fl 120cm 3200/8dd e f	→ -25°C ≤Ta≤ +60°C	→		23W
DOTLUX LED-EX-Schutzleuchte MISTRALex 1fl 120cm 4400/8dd e f	→ -25°C ≤Ta≤ +55°C	→		31W
DOTLUX LED-EX-Schutzleuchte MISTRALex 1fl 120cm 6400/8dd e f	→ -25°C ≤Ta≤ +55°C	→		44W
DOTLUX LED-EX-Schutzleuchte MISTRALex 1fl 150cm 4000/8dd e f	→ -25°C ≤Ta≤ +60°C	→		27W
DOTLUX LED-EX-Schutzleuchte MISTRALex 1fl 150cm 5500/8dd e f	→ -25°C ≤Ta≤ +55°C	→		38W
DOTLUX LED-EX-Schutzleuchte MISTRALex 1fl 150cm 8000/8dd e f	→ -25°C ≤Ta≤ +55°C	→		53W
DOTLUX LED-EX-Schutzleuchte MISTRALex 2fl 60cm 3200/8dd e f	→ -25°C ≤Ta≤ +60°C	→		22W
DOTLUX LED-EX-Schutzleuchte MISTRALex 2fl 60cm 4400/8dd e f	→ -25°C ≤Ta≤ +55°C	→		31W
DOTLUX LED-EX-Schutzleuchte MISTRALex 2fl 120cm 6400/8dd e f	→ -25°C ≤Ta≤ +60°C	→		43W
DOTLUX LED-EX-Schutzleuchte MISTRALex 2fl 120cm 8800/8dd e f	→ -25°C ≤Ta≤ +55°C	→		60W
DOTLUX LED-EX-Schutzleuchte MISTRALex 2fl 120cm 12800/8dd e f	→ -25°C ≤Ta≤ +40°C	→		85W
DOTLUX LED-EX-Schutzleuchte MISTRALex 2fl 150cm 8000/8dd e f	→ -25°C ≤Ta≤ +60°C	→		54W
DOTLUX LED-EX-Schutzleuchte MISTRALex 2fl 150cm 11000/8dd e f	→ -25°C ≤Ta≤ +55°C	→		71W
DOTLUX LED-EX-Schutzleuchte MISTRALex 2fl 150cm 16000/8dd e f	→ -25°C ≤Ta≤ +40°C	→		106W
DOTLUX LED-EX-Schutzleuchte MISTRALex 2fl 150cm 20000/8dd e f	→ -25°C ≤Ta≤ +40°C	→		118W

Type of the luminaire with emergency back-up source				
Type	Ambient temperature		Supply Voltage and Frequency	System input
DOTLUX LED-EX-Schutzleuchte MISTRALex-exit 1fl 60cm 1600/8dd e f g	→	$0^{\circ}\text{C} \leq \text{Ta} \leq +45^{\circ}\text{C}$	→	11W
DOTLUX LED-EX-Schutzleuchte MISTRALex-exit 1fl 60cm 2200/8dd e f g	→	$0^{\circ}\text{C} \leq \text{Ta} \leq +45^{\circ}\text{C}$	→	16W
DOTLUX LED-EX-Schutzleuchte MISTRALex-exit 1fl 120cm 3200/8dd e f g	→	$0^{\circ}\text{C} \leq \text{Ta} \leq +50^{\circ}\text{C}$	→	23W
DOTLUX LED-EX-Schutzleuchte MISTRALex-exit 1fl 120cm 4400/8dd e f g	→	$0^{\circ}\text{C} \leq \text{Ta} \leq +50^{\circ}\text{C}$	→	31W
DOTLUX LED-EX-Schutzleuchte MISTRALex-exit 1fl 150cm 4000/8dd e f g	→	$0^{\circ}\text{C} \leq \text{Ta} \leq +50^{\circ}\text{C}$	→	27W
DOTLUX LED-EX-Schutzleuchte MISTRALex-exit 1fl 150cm 5500/8dd e f g	→	$0^{\circ}\text{C} \leq \text{Ta} \leq +50^{\circ}\text{C}$	→	38W
DOTLUX LED-EX-Schutzleuchte MISTRALex-exit 2fl 60cm 3200/8dd e f g	→	$0^{\circ}\text{C} \leq \text{Ta} \leq +40^{\circ}\text{C}$	→	22W
DOTLUX LED-EX-Schutzleuchte MISTRALex-exit 2fl 60cm 4400/8dd e f g	→	$0^{\circ}\text{C} \leq \text{Ta} \leq +35^{\circ}\text{C}$	→	31W
DOTLUX LED-EX-Schutzleuchte MISTRALex-exit 2fl 120cm 6400/8dd e f g	→	$0^{\circ}\text{C} \leq \text{Ta} \leq +45^{\circ}\text{C}$	→	43W
DOTLUX LED-EX-Schutzleuchte MISTRALex-exit 2fl 120cm 8800/8dd e f g	→	$0^{\circ}\text{C} \leq \text{Ta} \leq +40^{\circ}\text{C}$	→	60W
DOTLUX LED-EX-Schutzleuchte MISTRALex-exit 2fl 150cm 8000/8dd e f g	→	$0^{\circ}\text{C} \leq \text{Ta} \leq +45^{\circ}\text{C}$	→	54W
DOTLUX LED-EX-Schutzleuchte MISTRALex-exit 2fl 150cm 11000/8dd e f g	→	$0^{\circ}\text{C} \leq \text{Ta} \leq +40^{\circ}\text{C}$	→	71W

Type of the luminaire with non-maintained emergency back-up source				
Type	Ambient temperature		Supply Voltage and Frequency	System input
DOTLUX LED-EX-Schutzleuchte MISTRALex-exit 1fl 60cm NMxh	→	$0^{\circ}\text{C} \leq \text{Ta} \leq +50^{\circ}\text{C}$	→ 220-240V 50/60Hz	2W

Dimension of luminaire			
Type	Length [mm]	Height [mm]	Width [mm]
DOTLUX LED-EX-Schutzleuchte MISTRALex 1fl 60cm 1600/8dd e f	662	111	145
DOTLUX LED-EX-Schutzleuchte MISTRALex 1fl 60cm 2200/8dd e f	662	111	145
DOTLUX LED-EX-Schutzleuchte MISTRALex 1fl 120cm 3200/8dd e f	1272	111	145
DOTLUX LED-EX-Schutzleuchte MISTRALex 1fl 120cm 4400/8dd e f	1272	111	145
DOTLUX LED-EX-Schutzleuchte MISTRALex 1fl 120cm 6400/8dd e f	1272	111	145
DOTLUX LED-EX-Schutzleuchte MISTRALex 1fl 150cm 4000/8dd e f	1572	111	145
DOTLUX LED-EX-Schutzleuchte MISTRALex 1fl 150cm 5500/8dd e f	1572	111	145
DOTLUX LED-EX-Schutzleuchte MISTRALex 1fl 150cm 8000/8dd e f	1572	111	145

DOTLUX LED-EX-Schutzleuchte MISTRALex 2fl 60cm 3200/8dd e f	662	111	145
DOTLUX LED-EX-Schutzleuchte MISTRALex 2fl 60cm 4400/8dd e f	662	111	145
DOTLUX LED-EX-Schutzleuchte MISTRALex 2fl 120cm 6400/8dd e f	1272	111	145
DOTLUX LED-EX-Schutzleuchte MISTRALex 2fl 120cm 8800/8dd e f	1272	111	145
DOTLUX LED-EX-Schutzleuchte MISTRALex 2fl 120cm 12800/8dd e f	1272	111	145
DOTLUX LED-EX-Schutzleuchte MISTRALex 2fl 150cm 8000/8dd e f	1572	111	145
DOTLUX LED-EX-Schutzleuchte MISTRALex 2fl 150cm 11000/8dd e f	1572	111	145
DOTLUX LED-EX-Schutzleuchte MISTRALex 2fl 150cm 16000/8dd e f	1572	111	145
DOTLUX LED-EX-Schutzleuchte MISTRALex 2fl 150cm 20000/8dd e f	1572	111	145
DOTLUX LED-EX-Schutzleuchte MISTRALex-exit 1fl 60cm 1600/8dd e f g	662	111	145
DOTLUX LED-EX-Schutzleuchte MISTRALex-exit 1fl 60cm 2200/8dd e f g	662	111	145
DOTLUX LED-EX-Schutzleuchte MISTRALex-exit 1fl 120cm 3200/8dd e f g	1272	111	145
DOTLUX LED-EX-Schutzleuchte MISTRALex-exit 1fl 120cm 4400/8dd e f g	1272	111	145
DOTLUX LED-EX-Schutzleuchte MISTRALex-exit 1fl 150cm 4000/8dd e f g	1572	111	145
DOTLUX LED-EX-Schutzleuchte MISTRALex-exit 1fl 150cm 5500/8dd e f g	1572	111	145
DOTLUX LED-EX-Schutzleuchte MISTRALex-exit 2fl 60cm 3200/8dd e f g	662	111	145
DOTLUX LED-EX-Schutzleuchte MISTRALex-exit 2fl 60cm 4400/8dd e f g	662	111	145
DOTLUX LED-EX-Schutzleuchte MISTRALex-exit 2fl 120cm 6400/8dd e f g	1272	111	145
DOTLUX LED-EX-Schutzleuchte MISTRALex-exit 2fl 120cm 8800/8dd e f g	1272	111	145
DOTLUX LED-EX-Schutzleuchte MISTRALex-exit 2fl 150cm 8000/8dd e f g	1572	111	145
DOTLUX LED-EX-Schutzleuchte MISTRALex-exit 2fl 150cm 11000/8dd e f g	1572	111	145
DOTLUX LED-EX-Schutzleuchte MISTRALex-exit 1fl 60cm NMxh	662	111	145

## Warnings

- DO NOT OPEN WHEN ENERGIZED
- POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS

(16) Test documents are listed in the test report No. 23 0206914.

(17) Special conditions for safe use

- The specific conditions mentioned in the certificates of separately certified components have to be fulfilled.
- The luminaire must not be opened if the terminal block is voltage-carrying. Change the diffuser if it is cracked.
- LED components contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person and only with original spare parts.
- If the gasket is damaged it is necessary to replace it.
- Replacement of parts affecting explosion protection is prohibited.
- The opening in the unused cable gland must be sealed with an ATEX plug.
- Potential electrostatic charging hazard. In potentially explosive environments, the luminaire may only be cleaned with a damp cloth and the person carrying out the cleaning must be earthed.
- Disconnecting and replacing of the battery in the luminaire is only possible out of the environment with explosion hazard.
- The recommended fuse rating for continuously wired luminaires is type B; 10 A or 16 A.
- The luminaire DOTLUX LED-EX-Schutzleuchte MISTRALex is approved for single and triple phase continuous wiring. Maximum allowed number of luminaires connected on one phase is listed in the table below.

<b>Luminaire type</b>	<b>Automatic cut-out 10A</b>	<b>Automatic cut-out 16A</b>
DOTLUX LED-EX-Schutzleuchte MISTRALex 60cm	18	30
DOTLUX LED-EX-Schutzleuchte MISTRALex 120cm	18	30
DOTLUX LED-EX-Schutzleuchte MISTRALex 150cm	18	30

(18) Essential Health and Safety Requirements

This statement of conformity covers only the Essential Health and Safety Requirements related to the Directive 2014/34/EU